BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 50.00 Lakhs

Name of Work:-Providing granite Benches in ward no-04.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1,Earth work excavation by manual means in ordinary soil invlving an average horizontal throw up to 2 meters and an average lift uo to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(Item no19.1,Page no141,PWD SR 2016-17)	Cum							
	Lowering & Levelling		1	25.00	20.00	0.45	225.00		
	SSM Flatform foundation:-L/Walls		2	21.50	0.50	0.20	4.30		
	S/Walls		2	13.10	0.50	0.20	2.62		
	Steps		2	1.20	0.45	0.20	0.22		
	Sitting Benches portion Levelling		60	3.10	2.10	0.35	136.71		
	Basic Rate	82.00					368.85	96.48	35587.00
	Add 11% of Difference Rates in Up to Date SR 2017-2018	9.02							
		91.02							
	Area Weightage @ 6%	5.46							
	Total	**96.48**							
2	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/sand/kanker/Moorum.KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no130,PWD SR 2016-17)	Cum							
			Vide Item No. 1				368.85	68.00	25082.00
	Basic Rate	68.00							
3	KSRRB M300-53 : Construction of embankment with approved material Gravel/Murrum with all lifts and leads, trasnporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications including cost of gravell/murrum,watering charges & compaction by vibratory roller to 95% of proctors density. MORTH Specification No. 305. (Page No. 148 & Item No. 19.60)	Cum							
	Embankment filling		1	25.00	20.00	0.35	175.00		
	Surrounding Sitting Chaires Boottom surface		1	23.00	1.20	0.20	5.52		
			1	14.00	1.50	0.20	4.20		
			60	3.00	2.00	0.35	126.00		
							310.72	355.33	110409.13
	Basic Rate	302.00							
	Add 11% of Difference Rates in Up to Date SR 2017-2018	33.22							
		335.22							
	Area Weightage @ 6%	20.11							
	Total	**355.33**							
4	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exeeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.Specification no KBS4.1,4.2(Item no 4.3,Page no12,PWD SR 2016-17)	Cum							
	SSM Flatform foundation:-L/Walls		2	21.50	0.50	0.15	3.23		
	S/Walls		2	13.10	0.50	0.15	1.97		
	Plat Form		1	20.60	13.10	0.15	40.48		

	Surrounding Sitting Chaires Boottom surface		1	23.00	1.20	0.15	4.14		
			1	14.00	1.50	0.15	3.15		
	Sitting Benches Bottom		60	2.70	1.80	0.15	43.74		
	Steps		2	1.20	0.45	0.15	0.16		
							96.86	5726.51	554676.00
	Basic Rate	4867.00							
	Add 11% of Difference Rates in Up to Date SR 2017-2018	535.37							
		5402.37							
	Area Weightage @ 6%	324.14							
	Total	**5726.51**							
5	KSRB5.2.2: Providing and constructing granite/trap/basalt **size stone masonry** in foundation with cement mortor 1:8,stone hammer dressed in courses less than 20 cms high.bond stones at 2 m apart in each course, including cost of all materials ,labour, curing complete as per specification. No. KBS 5.1.13 (PWD, S.R. 2016-17)(Page No. 23, item No. 5.5)	Cum							
	L/Walls		2	21.50	0.45	0.50	9.68		
	S/Walls		2	13.10	0.45	0.50	5.90		
	Steps		2	1.20	0.40	0.35	0.34		
			2	1.20	0.20	0.20	0.10		
							16.00	4749.93	76008.45
	Basic Rate	4037.00							
	Add 11% of Difference Rates in Up to Date SR 2017-2018	444.07							
		4481.07							
	Area Weightage @ 6%	268.86							
	Total	**4749.93**							
6	KSRB 5-14 : Providing and constructing **load bearing wall with solid concrete blocks** having block density not less than 1800kg/cum having a minimum average compressive strength of 4.00N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding , curing , hire charges of machineries etc., complete as per specfications . KBS No.5.4 with solid concrete blocks of size 40x15x20cm (PWD, S.R. 2016-17)(Page No. 25, item No. 5.27.2)	Sqm							
	L/Walls		1	21.50		0.35	7.53		
	Sitting Benches Surrounding		60	8.60		0.35	180.60		
							188.13	977.75	183940.08
	Basic Rate	831.00							
	Add 11% of Difference Rates in Up to Date SR 2017-2018	91.41							
		922.41							
	Area Weightage @ 6%	55.34							
	Total	**977.75**							
7	KSRB M2200-5.11.Design mix M20 with OPC cement @320 kgs,with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999 Reaffirmed-2008.etc as per specification&direction of the engineer incharge of work (pwd sr2016-17,p.no216,sno28.7.9)	Cum							
			1	21.50	14.00	0.12	36.12		

Administrative Approval
Accorded For ...50,00 lakhs
Head of A/C....P 2415
CER NO :...176/17-18 ...26/2/18

E.E. (Project) 26/2/18

Technical Sanction
Accorded For ...Rs 50.00 lakhs
Head of A/C....P-2415....
CER NO :...798/17-18 Dt:..26/2/18

TA CE (YNM)

	Surrounding Sitting Chaires Boottom surface		1	23.00	1.20	0.12	3.31		
			1	14.00	1.50	0.12	2.52		
	Sitting Benches flatform		60	2.70	1.80	0.12	34.99		
	Coping Concrete:-Steps		2	1.20	0.40	0.10	0.10		
			2	1.20	0.20	0.10	0.05		
	Basic Rate	7151.00					77.09	8413.87	648608.00
	Add 11% of Difference Rates in Up to Date SR 2017-2018	786.61							
		7937.61							
	Area Weightage @ 6%	476.26							
	Total	**8413.87**							
8	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm. (pwd sr2016-17,p.no109,sno14.61.1)	Sqm							
	Plat form		1	21.50	14.00		301.00		
	Alround Skirting		2	21.50		0.15	6.45		
			2	14.00		0.15	4.20		
	Surrounding Sitting Chaires Boottom surface		1	23.00	1.20		27.60		
			1	14.00	1.50		21.00		
	Sitting Benches Bottom		60	2.70	1.80		291.60		
	Sides		60	9.00		0.25	135.00		
	Tree Surrounding		1	3.00		1.00	3.00		
	Top		1	3.00	1.00		3.00		
	Steps:-Risers		2	1.20		0.25	0.60		
	Threads		2	1.20	0.20		0.48		
							793.93	2222.60	1764586.75
	Basic Rate	1889.00							
	Add 11% of Difference Rates in Up to Date SR 2017-2018	207.79							
		2096.79							
	Area Weightage @ 6%	125.81							
	Total	**2222.60**							
9	Executive Bench- Made out of Sadarahalli Grey stone with Hand supports with 3 line finishing with arch design with 100mm slabs .Height 90xLength 150 width 45cms (Data appoved rate)	No,s							
			60				60.00		
							60.00	18200.00	1092000.00
								Total RS	4490897.42
							11% OF KRIDL Super Vision charges		493998.72
10	Miscellaneous charges	L/s							2488.11
								Total RS	**4987384.24**

(Rupees Fifty lakhs only)

CERTIFICATE

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per C.S.R. of 2017-18
3. The provisions were made in this estimate are necessary and adequate.
4. This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike

Executive Engineer
Bruhat Bangalore Mahanagara Palike

26/2/18